Road Disc Brake Wheelset Installation Instructions

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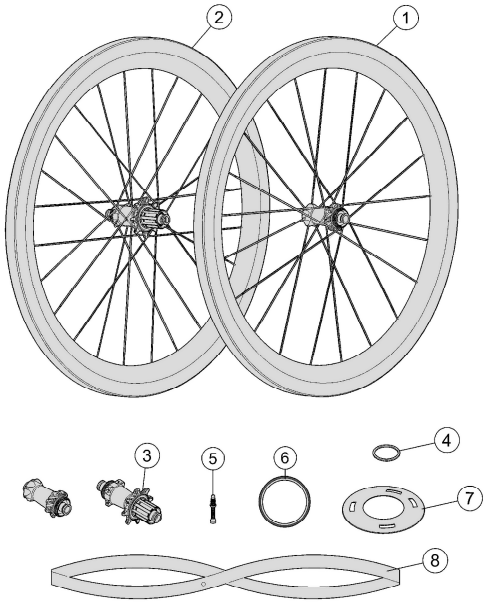

Introduction

Congratulations on the purchase of this superior Vision product! Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to your bicycle; or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician. Full Speed Ahead & Vision assumes no responsibility for damages or injury related to improperly installed components.

Warranty

Full Speed Ahead (FSA) warrants all FSA, Vision, products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website:https://www.visiontechusa.com/en/support/warranty-policy

Components

Follow the assembly order in the illustration:

① Front Wheel	③ Freehub Body	⑤ Tubeless Valve	⑦ Spoke Protector
② Rear Wheel	④ 9s /10s Cassette Spacer (Optional Parts)	⑥ Tubeless Rim Tape	⑧ Rim Tape

NOTICE Components ⑤、⑥、⑧ includes for different spec accordingly.

⚠ WARNING For repairs, always use original Vision parts. Using improper spokes will cause damage to the wheelset, leading to accidents and injuries.

Wheelset Installation

1. Ensure tire is correct type for wheel model. Install tire on rim as instructed by tire manufacturer.

NOTICE Vision Metron includes Tubeless components follow instructions as below.

2. Check if the Rim tape ⑧ or tubeless rim tape ⑥ and Tubeless Valve ⑤ are applied.
3. Lightly grease the Freehub Body ③ and install cassette as instructed by cassette manufacturer. Wheels equipped with a Shimano HG freehub by use the supplied cassette spacer ④ to compatible with 9, 10 cassettes (Optional parts can be purchase from Vision distributors or dealers).
4. Wheels equipped with a Shimano Microspline Freehub Body are compatible with Shimano Microspline cassettes.
5. Wheels equipped with XDR Freehub Body are compatible with Sram cassettes.
6. Install disc brake rotor as instructed by manufacturer and tighten to manufacturer's recommended torque.

⚠ WARNING Periodically check disc rotor screws for correct torque. Improper tightening or loose rotor screws can cause the rider to lose control of the bike and may result in injury or death.

7. Install the front wheel ① and rear wheel ② into the fork or frame drop-outs by using a Through Axle system on your bicycle following manufacturer's instructions.

⚠ WARNING Check Through axle for tightness before every ride.

8. Vision Spoke Protector ⑦ is intended to prevent the chain from falling down in the spokes. Please install it on the rear wheel before riding.

⚠ WARNING Do not use disc-brake wheels with rim brakes under any circumstances.

⚠ CAUTION Periodically inspect the wheels for damage. Wheels should be serviced by a qualified bicycle mechanic.

Tubeless Rim Tape Installation

1. Using a small piece of abrasive pad or emery cloth, rotate the wheel for one full rotation while scrubbing the spoke bed cavity to remove any small burrs and any glaze on the anodized finish.
2. Using a clean rag and isopropyl alcohol, clean the spoke bed of any dirt or oil then wipe the rim cavity with a dry rag. Ensure there is no lint or foreign matter collected at the spoke holes.
3. To start the application of the tubeless rim tape ⑥, locate the decal on the rim or the weld joint of the rim. Start the end of the tape above the weld, between two of the spoke nipple holes. Center the tape in rim cavity and press to adhere. Hold the tape at the starting point with one hand and pull the tape as tightly as possible with the other hand. The tape will make some popping sounds but will not stretch and break. Alternately lay the tape on the spoke bed and press or burnish the tape firmly with your fingers.
4. Repeat the procedure in Step 3 until you have wrapped the rim two complete times.
5. Overlap the starting point by about 4 inches (10 cm) and cut the tape.
6. Rotate the wheel one full revolution, pressing firmly with your fingers on the tape to make sure it has conformed to the rim cavity. Ensure no wrinkles in the tape.
7. Locate the valve hole and using a small knife or razor blade, carefully cut open the valve hole with a small "x." Trim the radius of the hole.
8. Install the Tubeless Valve ⑤ in to valve hole and secure firmly using the valve adapter and valve nut.

Model name	Model No	Tire width (mm)	Front spoke tension (kfg)		Rear Spoke tension (kgf)	
			Drive side	Non-drive	Drive side	Non-drive
Metron 91 SL DB Centerlock	WH-VT-891CHTL/DB-CL	25~65	95~115	80~105	100~120	100~120
Metron 81 Clincher Disc Centerlock	WH-VT-880CHTL/DB-CL	25~65	90~110	90~110	100~120	80~100
Metron 60 SL DB Centerlock	WH-VT-860CHTL/DB-CL	25~65	100~120	90~110	100~120	100~120
Metron 45 SL DB Centerlock	WH-VT-845CHTL/DB-CL	25~65	100~120	90~110	100~120	100~120
Metron 37 SL DB Centerlock	WH-VT-837CHTL/DB-CL	25~65	95~115	80~105	85~105	85~105
TriMax 35 DB Centerlock	WH-VT-638CHTL/DB-CL	22~57	110~130	90~110	110~130	90~110
TriMax 30 DB Centerlock	WH-VT-606CHTL/DB-CL	22~57	110~130	90~110	100~120	95~115
TriMax 30 i23 DB Centerlock	WH-VT-623CHTL/DB-CL	28~65	100~120	100~120	110~130	110~130
TriMax 25 DB Centerlock	WH-VT-626CHTL/DB-CL	20~57	110~130	90~110	100~120	95~115
Team 35 TL DB Centerlock	WH-VT-341CHTL/DB-CL	22~57	90~110	90~110	100~120	90~110
Team 30 TL DB Centerlock	WH-VT-306CHTL/DB-CL	22~57	110~130	110~120	110~130	60~80
Team 30 TL DB ISO 6-Bolt	WH-VT-306CHTL/DB	22~57	110~130	60~80	110~130	60~80
Team TC30 TL DB Centerlock	WH-VT-307CHTL/DB-CL	22~57	110~130	80~95	95~115	110~130
Team TC30 TL DB ISO 6-Bolt	WH-VT-307CHTL/DB	22~57	110~130	80~95	95~115	110~130
Team 30 i23 DB Centerlock	WH-VT-323CHTL/DB-CL	28~65	100~120	85~105	100~120	100~120
Team 30 i23 DB ISO 6-Bolt	WH-VT-323CHTL/DB	28~65	110~130	80~95	110~130	110~130
Vision SC 60 SL i23 DB Centerlock PRS	WH-VT-690CHTL/DB-CL	28~65	115~135	90~110	100~120	110~130
Vision SC 45 SL i23 DB Centerlock PRS	WH-VT-680CHTL/DB-CL	28~65	100~130	90~110	100~120	100~130
Vision SC 60 i23 DB Centerlock	WH-VT-661CHTL/DB-CL	28~65	120~140	90~110	100~120	110~130
Vision SC 45 i23 DB Centerlock	WH-VT-646CHTL/DB-CL	28~65	95~130	90~110	100~120	80~115
Vision SC 48 i25 DB Centerlock	WH-VT-648CHTL/DB-CL	29~71	100~120	90~110	100~120	80~100
Vision SC 60 DB Centerlock	WH-VT-660CHTL/DB-CL	25~65	95~115	90~105	95~115	80~105
Vision SC 45 DB Centerlock	WH-VT-645CHTL/DB-CL	25~65	95~115	80~105	95~115	80~105
Vision SC 55 DB Centerlock	WH-VT-656CHTL/DB-CL	22~57	105~125	90~110	100~120	90~110
Vision SC 40 DB Centerlock	WH-VT-641CHTL/DB-CL	22~57	110~130	90~110	110~120	95~115
Vision SC 30 DB Centerlock	WH-VT-631CHTL/DB-CL	22~57	110~130	90~110	100~120	95~115
Vision SC 30 i23 700c / 29" DB Centerlock	WH-VT-633CHTL/DB-CL	28~65	105~125	90~110	100~120	95~115
Vision TC 55 DB Centerlock	WH-VT-654CHTL/DB-CL	22~57	110~130	80~100	110~130	110~130
Vision TC 40 DB Centerlock	WH-VT-642CHTL/DB-CL	22~57	110~130	80~95	100~120	100~120
Vision TC 30 DB Centerlock	WH-VT-632CHTL/DB-CL	22~57	110~130	80~95	95~110	100~120

⚠ WARNING Use a spoke tension measuring device to follow the tension specification as in the above chart. Maximum spoke tension must not exceed the tension specification. Using tension above max recommended tension will void warranty. If tension above maximum is necessary to true the wheel, the rim may be damaged and should be replaced. Rim failures can cause serious accidents.

Contact

If you have questions, please visit our web site technical section: https://www.visiontechusa.com/en/support or contact:

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Notes: Specifications of product may be changed or improved for performance. Please refer to website periodically for technical updates and revised instructions.